

CLR-PB-3R

Profibus HUB Repeater for Industrial Serial Networks



Overview

CLR-PB-3R is Profibus DP protocol fieldbus HUB repeater. It supports Profibus protocol fieldbus. Data is forwarded within three independent channels of electrical bus ports mutually.

CLR-PB-3R works based on Profibus DP standard. Rate is either set by DIP switch or it is rate adaptive. It supports 10 levels of profibus DP rates.

CLR-PB-3R series converters support one fiber interface and one data bus interface, two way cascade fiber interface and one data bus interface.

Features

- Supports Profibus DP protocol
- Max baud rate is 6Mbps
- Installation type is DIN-Rail
- Dual power redundancy input
- Industrial grade design
- Output alarm relay, dual redundant power input and isolation protection function
- IP30 protection

Specifications

Electrical interface

Signal type	Profibus-DP
Communication Rates	9.6kBit/s, 19.2 kBit/s, 45.45kBit/s, 93.75k kBit/s, 187.5kBit/s, 500kBit/s, 1.5MBit/s, 3MBit/s, 6MBit/s and 12MBit/s.
Connector type	9-pin Sub_D, socket connector, definition of pins conforms to Profibus DP protocol standard.
Protection	4000V lightning protection, 1 .5A overload current and 600W surge protection
Terminal Resistance	without terminal resistor, connect external when necessary

Power and protection

Power	Dual power redundancy input, DC (12-36) V, typical DC24V, power consumption less than 4W
Protection	has DC1500V voltage isolation and reverse protection, industrial terminal interface.
Relay alarm output	Power error alarm output
Power connector	Industrial Pluggable Screw Terminal, DC48V/1A

Mechanical

Dimension	132mm x 52mm x 105mm (H x W x D)
Housing	IP30 protection, Metal case
Installation	35mm DIN-Rail, Wall Mounting
Weight	800g

Environmental

Operating Temperature	-10°C ~ 70°C (-40°C ~ 85°C optional)
Storage Temperature	-40°C ~ 85°C
Relative Humidity	≤90% (non-condensing)

Ordering Info

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